CLAIM AMENDMENTS

sulfated ash.

- 1. (currently amended) A process for lubricating a sump lubricated, compression ignited internal combustion engine, comprising supplying thereto a low-sulfur, low-phosphorus lubricant comprising:
 - (a) an oil of lubricating viscosity;
- (b) a substantially nitrogen-free sulfurized olefin antiwear agent in an amount sufficient to provide improved antiwear performance to the composition; and
- (c) about $\underline{2}$ [[1]] to about $\underline{8}$ [[10]] percent by weight of a nitrogen-containing succinimide dispersant; said lubricant formulation containing less than about 0.1 percent by weight phosphorus, less than about 0.4 percent by weight sulfur, and having 0.8% to less than about 1.2%
- 2. (original) The process of claim 1 wherein the lubricant further comprises an overbased detergent.
- 3. (original) The process of claim 2 wherein the overbased detergent is selected from the group consisting of salixarates, saligenins, salicylates, glyoxylates, and mixtures thereof.
- 4. (original) The process of claim 1 wherein the engine is a heavy-duty diesel engine.
- 5. (currently amended) A low-sulfur, low-phosphorus composition suitable for lubricating a compression ignited internal combustion engine, comprising:
 - (a) an oil of lubricating viscosity;
- (b) a substantially nitrogen-free sulfurized olefin antiwear agent, in an amount sufficient to provide improved antiwear performance to the composition;
- (c) about $\underline{2}$ [[1]] to about $\underline{8}$ [[10]] percent by weight of a nitrogen-containing succinimide dispersant; and
- (d) an overbased detergent selected from the group consisting of salixarates, saligenins, salicylates, glyoxylates, and mixtures thereof;

said composition containing less than about 0.1 percent by weight phosphorus, less than about 0.4 percent by weight sulfur, and having 0.8% to less than about 1.2% sulfated ash.

- 6. (original) The composition of claim 5 wherein the sulfurized olefin antiwear agent is selected from the group consisting of sulfurized C₄ to C₄₀ olefins, sulfurized vegetable oils, sulfurized lard oil, sulfurized cyclohexene compounds bearing ester substituents, and mixtures thereof.
 - 7. (canceled)
- 8. (original) The composition of claim 5 further comprising a zinc dialkyldithiophosphate, wherein the amount of zinc dialkyldithiophosphate is about 0.2 to about 1.2 percent by weight.
- 9. (previously presented) The composition of claim 8 wherein the alkyl groups of the zinc dialkyldithiophosphate are at least about 50% secondary alkyl groups.
- 10. (original) The composition of claim 5 further comprising about 0.2 to about 6 percent by weight of an aromatic amine antioxidant or a hindered phenol antioxidant or a mixture thereof.
- 11. (original) The composition of claim 10 wherein the antioxidant comprises a hindered ester-substituted phenol antioxidant.
- 12. (original) The composition of claim 5 wherein the amount of component (b) is about 0.05 to about 1.5 percent by weight.
- 13. (original) The composition of claim 5 wherein the amount of component (d) is about 0.1 to about 3 weight percent.
- 14. (original) The composition of claim 5 wherein the composition contains less than about 0.06 percent by weight phosphorus.
 - 15. (original) The composition prepared by combining the components of claim 1.
 - 16. (canceled)
 - 17. (canceled)
- 18. (previously presented) The process of claim 1 wherein the lubricant formulation has less than 0.09 percent by weight phosphorus.
 - 19. (canceled)
- 20 (previously presented) The composition of claim 11 wherein the hindered ester-substituted phenol antioxidant is represented by the structure

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HO
$$\leftarrow$$
 CH₂CH₂COR²

wherein R³ is a straight chain or branched chain alkyl group containing 2 to 22 carbon atoms.

- 21. (previously presented) The process of claim 1 wherein the amount of sulfurized olefin (b) is about 0.05 to about 1.5 weight percent and the amount of the dispersant (c) is about 2.5 to about 8 weight percent.
- 22. (previously presented) The composition of claim 5 wherein the amount of sulfurized olefin (b) is about 0.05 to about 1.5 weight percent, the amount of the dispersant (c) is about 2.5 to about 8 weight percent, and the amount of the overbased detergent (d) is about 0.1 to about 3 weight percent.